

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 14564-021US1	Application No. 10/597,300
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Greg Charache et al.	
		Filing Date July 19, 2006	Group Art Unit

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
/PN/	AA	4,013,338	03/22/77	Sato et al.			
	AB	4,057,408	11/08/77	Pierson et al.			
	AC	4,095,875	06/20/78	Lee et al.			
	AD	4,514,053	04/30/85	Borrelli et al.			
	AE	4,714,902	12/22/87	Rokni et al.			
	AF	4,834,474	05/30/89	George et al.			
	AG	4,942,102	07/17/90	Keys et al.			
	AH	4,995,050	02/19/91	Waarts et al.			
	AI	5,020,153	05/28/91	Choa et al.			
	AJ	5,043,991	08/27/91	Bradley			
	AK	5,115,338	05/19/92	DiGiovanni et al.			
	AL	5,185,754	02/09/93	Craig et al.			
	AM	5,319,668	06/07/94	Luecke			
	AN	5,335,098	08/02/94	Leyva et al.			
	AO	5,337,328	08/09/94	Lang et al.			
	AP	5,365,541	11/15/94	Bullock			
	AQ	5,392,308	02/21/95	Welch et al.			
	AR	5,440,669	08/08/95	Rakuljic et al.			
	AS	5,491,570	02/13/96	Rakuljic et al.			
	AT	5,499,261	03/12/96	Welch et al.			
	AU	5,537,432	07/16/96	Mehuys et al.			
	AV	5,592,503	01/07/97	Welch et al.			
	AW	5,602,864	02/11/97	Welch et al.			
	AX	5,629,954	05/13/97	Jansen et al.			
	AY	5,651,018	07/22/97	Mehuys et al.			
	AZ	5,684,611	11/04/97	Rakuljic et al.			
↓	AAA	5,684,900	11/04/97	Nishiwaki et al.			

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/PN/	ABB	5,691,989	11/25/97	Rakuljic et al.			
	ACC	5,754,574	05/19/98	Lofthouse-Zeis et al.			
	ADD	5,777,763	07/07/98	Tomlinson et al.			
	AEE	5,793,784	08/11/98	Wagshul et al.			
	AFF	5,796,096	08/18/98	Rakuljic et al.			
	AGG	5,798,859	08/25/98	Colbourne et al.			
	AHH	5,825,792	10/20/98	Villeneuve et al.			
	AII	5,838,712	11/17/98	Kraenert et al.			
	AJJ	5,870,417	02/09/99	Verdiell et al.			
	AKK	6,125,222	09/26/00	Anthon			
	ALL	6,192,062	02/20/01	Sanchez-Rubio et al.			
	AMM	6,198,759	03/06/01	Broderick et al.			
	ANN	6,208,679	03/27/01	Sanchez-Rubio et al.			
	AOO	6,215,801	04/10/01	Ackerman et al.			
	APP	6,233,259	05/15/01	Ventrudo et al.			
	AQQ	6,269,203	07/31/01	Davies et al.			
	ARR	RE 37,354	09/04/01	Welch et al.			
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	ATT	6,327,292	12/04/01	Sanchez-Rubio et al.			
	AUU	6,330,257	12/11/01	Major, Jr., et al.			
	AVV	6,363,092	03/26/02	Botez et al.			
	AWW	6,363,097	03/26/02	Linke et al.			
	AXX	6,455,341	09/24/02	Macomber			
	AYY	6,529,542	03/04/03	Karlsen et al.			
	AZZ	6,586,141	07/01/03	Efimov et al.			
	AAAA	6,673,497	01/06/04	Efimov et al.			
↓	ABBB	US 2004/0013156	01/22/04	Deng et al.			

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/PN/	ACCC	US 2004/0013157	01/22/04	Deng et al.			
	ADDD	US 2005/0018743	01/27/05	Volodin et al.			
	AEEE	US 2005/0031264	02/10/05	Volodin et al.			
	AFFF	US 2005/0207466	09/22/05	Glebov et al.			
	AGGG	7,031,573	04/18/06	Volodin et al.			
	AHHH	US 2006/0215972	09/28/06	Volodin et al.			
	AIHH	7,125,632	10/24/06	Volodin et al.			
	AJJJ	7,177,340	02/13/07	Lang et al.			
	AKKK	7,212,554	05/01/07	Zucker et al.			
	ALLL	7,248,617	07/24/07	Volodin et al.			
	AMMM	7,248,618	07/24/07	Volodin et al.			
	ANNN	7,273,683	09/25/07	Volodin et al.			
	AOOO	7,298,771	11/20/07	Volodin et al.			

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
/PN/	APPP	EP 0 310 438	04/05/89	Europe				
/PN/	AQQQ	WO 01/41270	06/07/01	WIPO				
/PN/	ARRR	WO 03/045863	06/05/03	WIPO			Abst	

Other Documents (include Author, Title, Date, and Place of Publication)		
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/PN/	ASSS	Bayram et al., "Operation of a single mode external-cavity laser diode array near 780 nm", Review of Scientific Instruments, Vo. 73, No. 12, December 2002, pp. 4169-4971
/PN/	ATTT	Borgman et al., "Photothermal Refractive Effect in Silicate Glasses", Sov. Phys. Dokl., vol 34, no. 11, pp. 1011-1013, 1989
/PN/	AUUU	Braiman et al., "Synchronization of Arrays of High Power Lasers", Solid State and Diode Laser Technology Review, 2003, 4 pages

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/PN/	AVVV	Chann et al., "Frequency-narrowed external-cavity diode-laser-array bar", Optics Letters, Vol. 25, No. 18, September 15, 2000, pp. 1352-1354
	AWWW	Ciapurin et al., "High-Power Incoherent Beam Combining with Bragg Grating in Photosensitive Glasses", Proc. Of Solid State and Diode Lasers Technical Review, Albuquerque, New Mexico, 2002
	AXXX	Danue et al., "Spectral Beam Combining of a Broad-Stripe Diode Laser Array in an External Cavity", Massachusetts Institute of Technology, 2 pages, May 10, 2000
	AYYY	Datta et al., "Modeling of Nonideal Volume Bragg Reflection Gratings in Photosensitive Glass Using a Perturbed Transmission Matrix Approach", IEEE Journal of Quantum Electronics, vo. 40, 2no. 5, May 2004, pp. 580-589
	AZZZ	Earles et al., "1.1W Continuous Wave Narrow Spectral Width (< 1Å) Emission from Broad Stripe Distributed Feedback Diode Lasers", Appl. Phys. Lett., vol. 73, pp. 2072-2074, 1998
	AAAAA	Glebov, L., "Volume Diffractive Elements in Photosensitive Inorganic Glass for Beam Combining", Conference Digest, Paper Code FA-5, Albuquerque, New Mexico, May 21-24, 2001
	ABBBB	Glebov, L., "Optimizing and Stabilizing Diode Laser Spectral Parameters", Photonics Spectra, University of Central Florida, 2 pages, January 2005
	ACCCC	Kanskar et al., "Performance and Reliability of ARROW single Mode & 100µm Laser Diode and the Use of NAM in Al-free Lasers", SPIE 4995, presented at Photonics West, 2003, 13 pages.
	ADDDD	Levron et al., "Magnetic Resonance Imaging of Hyperpolarized ¹²⁹ Xe Produced by Spin Exchange with Diode Laser Pumped Cs", Appl. Phys. Lett., vol. 73, pp. 2666-2668, 1998
	AEEEE	Liu et al., "Injection Locking of Individual Broad-Area Lasers in an Integrated High-Power Diode Array", Appl. Phys. Lett., vol. 81, no. 6, pp. 978-980, August 5, 2002
	AFFFF	Liu et al., "Simultaneous Injection Locking of Couple of High-Power Broad-Area Lasers Driven by a Common Current Source", Applied Optics, vol. 41, no. 24, August 20, 2002, pp. 5036-5039
	AGGGG	LuxxMaster™ Wavelength Stabilizer Elements for High Power Lasers and Laser Arrays, Brochure, PDLD, Inc., 2001
	AHHHH	Marciante et al., "Lateral Spatial Effects of Feedback in Gain-Guided and Broad-Area Semiconductor Lasers", IEEE J. Quantum Electron., vol. 32, pp. 1630-1635, 1996
	AIIII	Mizunami et al., "Bragg Gratings in Multimode and Few-Mode Optical Fibers", J. Lightwave Tech. Lett., vol. 18, pp. 230-235, 2000
	AJJJJ	Moser et al., "Volume Bragg Grating Devices", Massachusetts Institute of Technology, pp. 644-645, March 28, 2003
	AKKKK	Nelson et al., "Spin Exchanged Optical Pumping using a Frequency Narrowed High Power Diode Laser", Appl. Phys. Lett., vol. 76, pp. 1356-1358, 2000
	ALLLL	Romalis, M.V., "Narrowing of High Power Diode Laser Arrays using Reflection Feedback from an Etalon", Appl. Phys. Lett., vol. 77, pp. 1080-1081, 2000
	AMMMM	Szkopek et al., "Novel Multimode Fiber for Narrow Band Bragg Gratings", IEEE J. Select., Topics in Quantum Electronics, vol. 7, pp. 425-433, 2001
	ANNNN	Volodin et al., "Improvements of performance of High-Power Multimode Laser Diodes and Arrays Achieved by Use of Volume Bragg Grating™ Technology", Solid State and Diode Laser Technology Review, 2004, 19 pages

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/PN/	AOOOO	Volodin et al., "Wavelength Stabilization and Spectrum Narrowing of High-Power Multimode Laser Diodes and Arrays by Use of Volume Bragg Gratings", Optical Society of America, vol. 29, issue 16, August 2004, Abstract
↓	APPPP	Volodin et al., "Applications of the Volume Bragg Grating™ Technology to High-Brightness Laser Diode Arrays", Solid State and Diode Laser Technology Review, 2005, 5 pages
↓	AQQQQ	Yan et al., "Measurement of Diode Laser Characteristics Affecting Tunability with an External Grating", J. Opt. Soc. Am., vol. 9, no. 11, November 1992, pp. 2122-2127
↓	ARRRR	Zheng et al., "Effective Bandwidth Reduction for a High-Power Laser-Diode Array by an External-Cavity Technique", Optics Letters, vol. 30, no. 18, September 15, 2005, pp. 2424-2426
↓	ASSSS	Zhu et al., "Spectrally Narrowed External-Cavity High-Power Stack of Laser Diode Arrays", Optics Letters, vol. 30, no. 11, June 1, 2005, pp. 1342-1344
↓	ATTTT	Supplementary Search Report from corresponding European Application No. 05 810 008.2-222, issued by the European Patent office on February 21, 2008, 3 pages
↓	AUUUU	Communication from corresponding European Application No. 05 810 008.2-222, issued by the European Patent office on May 13, 2008, 5 pages

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